III. *A Letter from* Edward Nourſe, *F. R. S. Surgeon to* St. Bartholomew's *Hoſpital, to the* Preſident *and* Fellows *of the* ROYAL SOCIETY, *giving an Account of ſeveral* Stones *found in* Bags *formed by a protruſion of the Coats of the* Bladder, *as appeared upon opening the Body of one Mr.* Gardiner.

Read Jan. 7. 1741-2.

PErmit me to lay before you the Bladder of Mr. *Gardiner*, who was, the 5th of *March* 1739. before the Truſtees appointed by the Parliament to inquire into the Efficacy of Mrs. *Stephens*'s Medicines, produced as an Inſtance, where they had been effectual in diſſolving the Stone in the Bladder.

Mr. *Gardiner* was ſearched by me on *Saturday* the 30th of *December* 1738. I felt a Stone the Moment my Inſtrument was introduced; which was likewiſe felt by Mr. *Wall*, his Apothecary, then preſent.

The *Tueſday* following, he began to take Mrs. *Stephens*'s Medicines, and continued them eight Months.

On the 30th of *November* 1739. I ſaw him at *Child*'s Coffee-houſe, when he told me, he was quite free from his uſual Diſorders: I there ſearched him again, in the Preſence of ſeveral Phyſicians and Surgeons, who likewiſe felt for the Stone, but none could be found.

The Royal Society is collaborating with JSTOR to digitize, preserve, and extend access to *Philosophical Transactions (1683-1775)*. www.jstor.org

Mr. *Gardiner* dying on *Saturday* the 2d of *January* 1741-2. the next Morning, in the Preſence of Mr. *St. Hill*, and Mr. *Wall*, I opened his Bladder, and therein obſerved ſix preternatural Apertures of different Sizes, the biggeſt capable of admitting the Top of my Finger. Each of theſe Openings led to a ſeparate Bag, formed by an Inlargement of the internal Membrane of the Bladder, protruded between the Fibres of its muſcular Coat.

Theſe Bags are to be ſeen on the back Part of the Bladder, a little above the *Veſiculæ Seminales*; and when viewed on the Outſide, ſeem to be but Two; though they are in Number equal to the Openings within, already mentioned; and divided from one another by the Duplicature of the internal Membrane, which forms a *Septum* between each of them.

In theſe *Sacculi*, or Bags, are contained nine Stones; the largeſt about the Size of a ſmall Nutmeg; and with what Facility ſome of them moved out of, and returned into, the *Sacculi*, the following Circumſtance will clearly evince.

When I had open'd the *Abdomen*, Mr. *St. Hill*, handling the Bladder, brought two of theſe Stones up to its *Fundus*, where they were felt by Mr. *Wall* and myſelf.—— We then examined the Kidneys: The Right contained a little Matter, otherwiſe it was as it ſhould be: But of the Left, Two-thirds were waſted; its *Pelvis* was contracted in Proportion, and the *Ureter* almoſt impervious.—— Upon rehandling the Bladder, neither of us could feel any Stone; I therefore laid it open, and we found them all in the *Sacculi*. The Stones that are in one of theſe

theſe *Sacculi*, have been ſo much inlarged ſince their Lodgment, that without Force and Laceration they cannot be got out.

I am,

GENTLEMEN,

Your moſt obedient,

Jan. 7. 1741-2. *and moſt humble Servant,*

Edward Nourſe.

FIGURE *the Firſt*, (*See* TAB.)

Shews the Bladder cut open.

1. 2. 3. 4. 5. 6. The preternatural Apertures opening into ſo many *Sacculi*, in which the Stones were contained.

7. 8. The two *Ureters*.

9. 10. Their Openings into the Bladder.

11. The Opening from the Bladder into the *Urethra*.

12. The proſtrate Gland, which was ſcirrhous and inlarged.

13. The *Urethra* cut off.

FIGURE *the Second*,

Shews the Back-part of the Bladder, upon which the external Membrane being taken away, the Fibres of its muſcular Coat are very apparent.

A. The Fibres of the *Detruſor Urinæ*.

B.B. The *Sacculi* formed by the internal Membrane, protruded between the Fibres of the *Detruſor Urinæ.*

CCCCCCCCC. The Stones, as they appear in the *Sacculi*, Eight in one, and One (the largeſt N° 6.) in the other.

D D. The *Ureters.*

E E. The *Veſiculæ Seminales* turned back, to ſhew the whole Extent of the *Sacculi.*

F F. The *Vaſa Deferentia.*

G. The Back-part of the proſtrate Gland.

1. 2. 3. 4. 5. 6. The Stones which came eaſily out of the *Sacculi.*

7. One of the Stones ſawed, the *Nucleus* of which appears white, and the Surface of them all appears reddiſh.

IV. *Some further* Obſervations *concerning* Electricity, *by* J. T. Deſaguliers, *LL. D.* F. R. S.

Dec. 14. 1741.

Read Jan. 14. 1741-2.

ELectrics *per ſe* (which I have heretofore defin'd, *Bodies in which an Electrical Virtue may be raiſed by ſome Action on them*, ſuch as Rubbing, Patting, Warming, *&c.*) are reduc'd to a Non-electric State by being in Contact with Non-electric Bodies, eſpecially Water, which is the greateſt Non-electric, even when it becomes Vapour.

A Non-electric (which though it cannot be made Electrical by any Action upon it) receives Electricity from

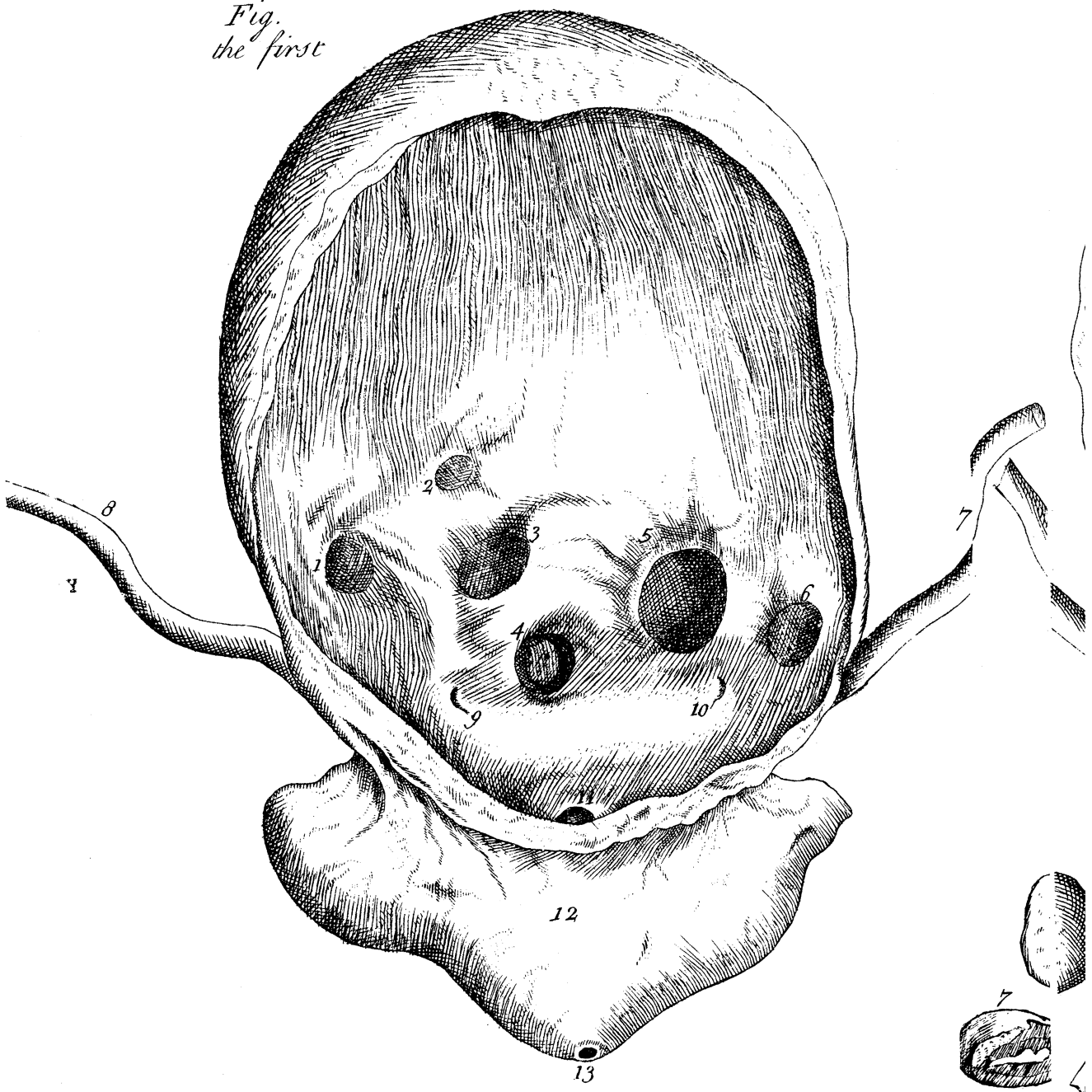
Fig.
the first
1
2
3
4
5
6
7
8
9
10
11
12
13
Blacknell, delin et Sculp.

Philosoph: Transact: N° 462

Fig.
the second

Fig.
the first

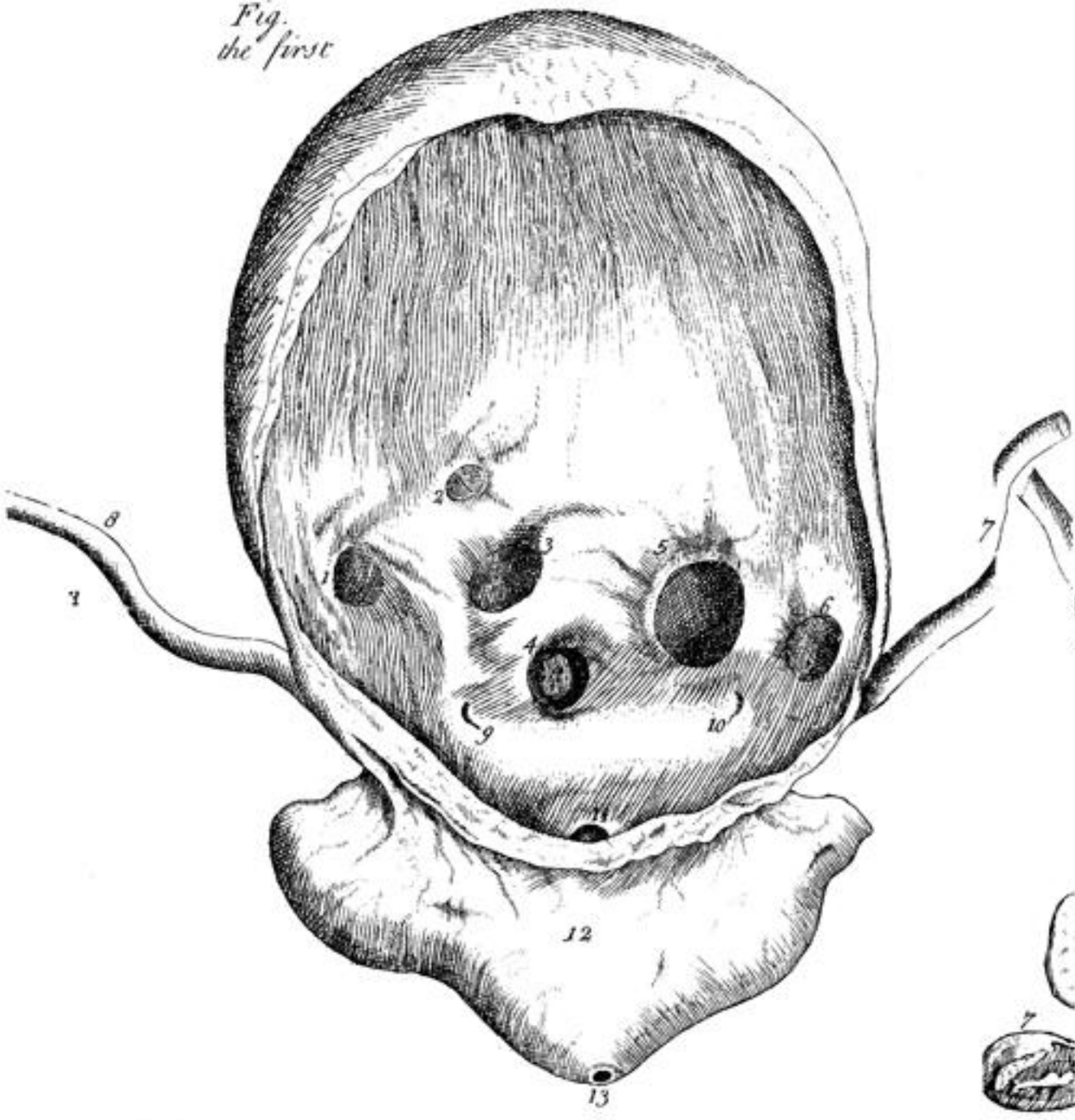

Fig.
the second

Blackwell delin et Sculp.